Technology Business Incubation Setup Grant (TBI SG)
Neerav holdings Pvt Ltd Delhi

Grant amount = 35 Lakh INR.

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A. Basic Information:

1. **Category:** 2a (Establishing TBI SG Incubation facility to strengthen existing non- tech incubators attached to Academic institutes/ Research institutes/ Research Hospitals/ Standalone incubators)

2. **Title of Proposal (Max. 250 characters):** "Strengthening the capabilities of SCIE incubator to take translational research to next level to start-ups, industry academia collaborations and technology development."

3. **Name of Applicant/Implementation Agency/Institution/Organisation:**

   STEADMIC Centre for Incubation and Entrepreneurship (SCIE), a Technology Business Incubator (TBI) at the RD Engineering College (RDEC) Ghaziabad, UP

4. **Location/ Address:**
   RD Engineering College, Ghaziabad, UP

5. **Website:** https://SCIE.RDECb.ac.in/

6. **Applicant Type:**
   ➢ Society

7. **Subcategory:**

   ➢ Technology Business Incubator (TBI)

   ➢ tech Park

   ➢ - incubator

   ➢ Academic Institute (University)

   ➢ Research institute

   ➢ S & T/ tech State Council

   ➢ Research Hospital

8. **Is it a new initiative in your university /institution/Incubator/Hospital?**

   ➢ RDEC Ghaziabad established SCIE (STEADMIC Centre for Innvation and Entrepreneurship) to promote the startup culture in the academic institute.

   ➢ At present there are startups that are incubated at SCIE. The incubation centre has contributed immensely in creating a conducive environment for the startups to establish. An inclusion of -incubator will be an expansion of SCIE and strengthen the present incubation centre.

   ➢ RDEC Ghaziabad also has a separate vertical activity such as IPR creation and management under Tech development centre, public media outreach for science under media cell and outreach centre

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9. **Name of Project Leader: Nodal person who will be handling the project and his /her competence**

Professor Pankaj Singh (Faculty Coordinator Coordinator, SCIE). Demonstrated experience in incubation in general. Any experience in - business startup incubation.

10. **What is the demand for such facility at your Institution/Organization?**

➢ Ghaziabad has multiple centres for research RDEC Ghaziabad, MANIT, along with other clinical hospitals. An establishment of TBI SG will foster local business ecosystem (a prerequisite for the growth of a nation), support industry-academia network, and encourage startup ecosystem. Considering a development -cluster, the Ghaziabad offers an ideal location to the development of TBI SG incubator which can help in development of a future driver tech hub.

➢ A -incubator will bolster the **translational research** work for commercialization in the campus and its vicinity. Notably, a number of high-quality research work is carried out by the researchers in SCIE and RDEC Ghaziabad. Several of them gets recognition in the prime International Journal (List attached separately)..

➢ There is **Pipeline of innovators** who are working on translational research **and this new facility will help them to transform their Life Sciences and tech research** into commercially viable products. Some notable innovations include.

With the desire to initiate a -incubation, a 10,000 sq. ft. space will be allocated to facilitate incubation of startups. With the motivation to scale-up the existing startup and further fuel the entrepreneurship culture to help the society, solve real world problems, help in generating the employment, and escalate the economy of the country this facility is indispensable.

11. **What difference the proposed -incubator would make in nurturing and mentoring the tech start-ups originating in and around proposed facility.**

➢ A -incubator will provide a platform to incubate related innovative ideas and taking it forward for commercialization for of start-ups.

➢ In addition, this new facility will provide **business mentoring** and **networking** (Industry connects) to the tech and Life Sciences startups. It will promote an entrepreneurship culture among students and faculties and provide directions for setting up and promoting the startups.

➢ An incubator will **accelerate the R&D activities** that will lead to translational commercial products. SCIE is equipped with the basic facilities required for growth of a tech and Life Sciences startup. The technology transfer and protection of intellectual properties will be bolstered by the already existing IPR cell which operates under the umbrella of Research and Development wing of the Institute.

B. General Information

1. **What are the existing facilities and programs to support tech entrepreneurship?**

RDEC Ghaziabad has various facilities that will help the tech and Life Sciences Startups which includes:

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- SCIE (STEADMIC Centre for Innvation and Entrepreneurship)
- Tech Development Centre (operates under Centre for Science and Society (CS2)) takes care of IPR/ Tech Transfer
- Common Instrumentation facility (CIF)
- Events conducted so far to promote Entrepreneurship:

In addition to these facilities, RDEC Ghaziabad also provides programs namely Law relating to Intellectual Property and Patents to build an entrepreneur culture among students. These programs will be productive for the new start-ups.

2. **Is there any existing area dedicated for incubation? How much can be dedicated for TBI SG?**

Yes, SCIE (STEADMIC Centre for Innvation and Entrepreneurship), a technology-based incubation centre occupying an area of about 10,000 square feet is operational at RDEC Ghaziabad. It aims to promote a startup culture and stimulate R&D, and innovation on the campus. An establishment of -incubation in addition to the SCIE will act as an elixir for new startups. The -incubator will be an expansion of the existing facility with another 10,000 sq. ft. of space can be allocated for his new facility. An established TBI SG will be **sustainable** considering the facilities and expertise of SCIE and RDEC Ghaziabad.

3. **What common instrumentation facility exists in the university/ institution/ incubation centre? Will this common instrumentation facility be available to the start-ups in the proposed TBI SG?**

- SCIE organizes Institute level Entrepreneurship contest – **CurveBall** every year for the students of the RDEC Ghaziabad. The selected ideas of the students get Incubation and mentorship support from the Incubation Centre. Few of the selected are:

  - ➤ **Carry:** A blueprint for creation of e-platform that would enable local and rural business to deliver their products to customers in economical and faster way
  - ➤ **Lamp - O:** A framework for purifying oxygen in air
  - ➤ **MNPs for GMOs:** The prototype discusses about industrial production of Metal Nanoparticles (MNPs), which can act as a green alternative to the genetically modified crop varieties.
  - ➤ **Fictometer:** A design for developing an app that would filter unscrupulous news in the digital media.
  - ➤ **Handfuge:** A low cost (less than INR 20) modified paperfuge that can be used with routine molecular logy experiments of liquid handling capacity from 10 µL to 1 mL
  - ➤ **Azalea Books:** An app design that would allow books to be rented, and selling at a reasonable price
  - ➤ **Agroventures:** An app design to enable farmers to sell their products directly to the consumers

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RDEC Ghaziabad participated in the event for the two consecutive year and won bronze and silver medal respectively in the year 2018-19 and 2019-20.

> ➢ **International** entrepreneurship talks and career opportunity webinars have been conducted by SCIE.
> ➢ **International** virtual internship opportunities have been secured by SCIE Innovation Fellows

4. **Total no. of startups/incubatees supported till now?**

A total of 6 startups/incubatees are incubated at SCIE till now which includes 4 tech related start-ups. About 20 plus new start-ups can be accommodated with the aid of TBI SG grant in the new incubator.

5. **What are the main strengths of the organization/institute that you would leverage for TBI SG in terms of - IPR, Wet labs, Business/tech expertise, legal, industry interaction platforms etc. which will be available to the startups/incubatees? Give details.**

- RDEC Ghaziabad is an institute of national importance which was established in 2008 by the Ministry of Human Resource Development (MHRD). RDEC Ghaziabad has ranked 10 of all academic institutes and 13 of all institutes (including corporate labs) in India according to 2020 Nature Index Ranking. In the QS-ASIA rankings 2021, RDEC Ghaziabad received overall rank of 201. RDEC Ghaziabad was ranked among the top 31% in the QS World University Ranking: ASIA. The Institute received a rank between 26th – 50th in Atal Ranking of Institutions on Innovation Achievements (ARIIA) (2020). The Institute26th in India by the TIMES HIGHER EDUCATION 2021 world ranking. In the year 2020-21, the institute has published 331 original research paper in International Peer-reviewed journal. RDEC Ghaziabad has ten major departments viz. logical Sciences, Chemistry, Earth and Environmental Sciences, Engineering Sciences, Mathematics, Physics, Economics Sciences, Data Science and Engineering, Humanities and Social Sciences and Chemical Engineering. Researchers at our institute are proficient and have a high propensity for collaboration in multidisciplinary fields (as with the tech startups). Dr. Vishal Rai (Department of Chemistry, RDEC Ghaziabad), Dr. Vineet Sharma (Department of logical Sciences) are some of the expert faculties in the institute who are becoming popular due to their translational research.

- Well-equipped research laboratories for individual faculty members give each of them the space and flexibility to work on their areas of interest. Research projects of our faculty members are funded by different government and International agencies. Research findings from these projects are published in internationally reputed peer reviewed journals and applied for patents. The infrastructure available at RDEC Ghaziabad supports faculty in carrying out cutting edge research in their respective disciplines. The list of Major Instruments is attached with this proposal as Annexure 2 which would be made available to the startups on nominal charges. The state-of-the infrastructure existing at RDEC Ghaziabad will help in successful functioning of the TBI.

- The institute has established SCIE facility to incubate new startups, has a separate Centre for Science and Society (CS2) entity to support IPR cell to assist in filing patent and

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technology transfer, dexterous mentors to guide, multidisciplinary faculties, domestic and international collaborations that will help new startups, R&D facility to develop new technologies, and network to industrial events. These facilities will be extremely useful in propping up the growth of tech and Life Sciences startups.

STEADMIC Centre for Innvation and Entrepreneurship (SCIE) is a Technology Business Incubator established at RDEC Ghaziabad (RDECB) with a built-up space of 10,000 sq. ft. at the main building in the RDECB campus. SCIE, Catalyzed and Supported by NSTEDB Division, Department of Science & Technology, New Delhi is aiming at creating an entrepreneurial ecosystem on the campus and its vicinity. SCIE facilitates innovation in science Research and Entrepreneurship by providing Research, Development, Training and Services and mentorship in state-of-the-art incubation space and technology platforms. As a part of our mandate, the SCIE has created an entrepreneur-friendly culture within the Academic/Research environment through its involvement in promoting faculty and students led start-ups and hand holding them to take their innovation to the next level.

SCIE is one of the fastest growing Technology Business Incubators among the incubators at higher educational institutions (HEIs) in India. SCIE supports potential start-ups by providing them co-working space with office and research labs, mentoring support, networking and also helps them with technical, legal and financial matters as well as marketing. SCIE is also open for incubation for the external entrepreneurs as our goal is to promote the culture of entrepreneurship within the campus and in the vicinity

6. **Provide the dedicated list of mentors that would be available for start- ups/incubatees.**
   SCIE has very renowned mentors who will give directions to the new tech and Life Sciences startups to establish. These include:

C. Project information

1. Summary of the proposed project:

RDEC Ghaziabad is very much inclined to establish a -incubator to boost the tech startups in its campus. Notably there is no TBI SG facility in the entire state to support specific niche and of Life Sciences and tech startups.

Vision of SCIE-TBI SG: To establish self-sustainable -incubator to catalyze tech and Life Sciences startups and prop up innovation and startup culture among entrepreneurs, faculty and students in the University and its vicinity

Mission of SCIE-TBI SG:

a) To create successful startup and bolster translational research work that will transform ideas into commercially viable products through mentoring, training, workshops, networking and academia-industry connect.

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b) To provide a platform for domestic and international cooperation for startups, faculties and students and encourage collaboration on inter- and multi-disciplinary approaches to solve real life problems.

c) To yield new tech start-up companies access to R&D facilities, and expedite translational research to transform an idea to a tangible commercial product

d) To stimulate innovation and facilitate patent filing through IPR cell

e) To take up the ideas from the translational research labs and move forward with the investors to create -startups.

f) To educate the faculty members involved in translational research to pursue - entrepreneurship.

Functioning of the centre

- **Management of the SCIE-TBI SG**

  The management of the affairs of the Society is entrusted by the Regulations of the society to the Governing Body and Managing committee, whose designations occupation are specified below:

Governing Body / Managing Committee *(all positions are ex-officio)*

Sr. No.	Occupation	Designation
1.	Director, RDEC Ghaziabad	President
2.	Dean (R&D), RDEC Ghaziabad	Vice-President
3.	CEO/Coordinator, SCIE	Secretary
4.	Chairman / Head, ICDPC, RDEC Ghaziabad	Joint-Secretary
5.	Deputy Registrar (F&A), RDEC Ghaziabad	Treasurer
6.	Registrar, RDEC Ghaziabad	Member
7.	Dean (DoSA), RDEC Ghaziabad	Member

Sr. No.	Occupation	Designation
1.	Coordinator, SCIE, RDEC Ghaziabad	Convener
2.	Registrar, RDEC Ghaziabad	Member
3.	Dean (R&D), RDEC Ghaziabad	Member
4.	Head Incubation Head, RDEC Ghaziabad	Member

The thrust areas of the TBI SG incubator will include Drug development and repurposing, Industrial tech, and genomic research and diagnosis, medical device, AI-Machine learning based innovative startups etc. solutions to infectious diseases. It is present days need to focus on these thrust areas. The current COVID-19 pandemic has created an awareness for the establishment of these facilities.

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> The drug development startups involved in development of pharmaceutical drugs, herbal medicines, ayurvedic, unani, and other natural therapeutics for treatment of disease like in case of coronavirus will be benefitted. Clinical research, BSL3 and in vitro viral assay facilities of the institute will be very useful to catalyze the growth of the new startups.

2. Focus area of the proposed TBI SG:

The thrust areas for the proposed TBI SG incubator will include the following fields:

> Industrial tech

> Drug Development and repurposing

> Genomic Research and Diagnosis

Apart from these fields RDEC Ghaziabad and SCIE can facilitate inter- and multidisciplinary collaborations.

3. Operational Model for the proposed facility:

> **Operational strategy/ Business strategy to be followed**: There will be an advisory committee, training will be provided, and value-added services (VAS). The incubatees will be provided space, mentoring support, R&D facilities, and help to generate grants. The -incubator will get revenue by renting space, percentage of revenue, equities, charge on using R&D facilities, and corpus funds

> **Details of the governance model to be adopted**:

The governance model of the SCIE-TBI SG will be same as of SCIE. The details are as followed:

- **Management of the SCIE-TBI SG**
  The management of the affairs of the Society is entrusted by the Regulations of the society to the Governing Body and Managing committee, whose designations occupation are specified below:

Governing Body/Managing Committee *(all positions are ex-officio)*

Sr. No.	Occupation	Designation
1.	Director, RDEC Ghaziabad	President
2.	Dean (R&D), RDEC Ghaziabad	Vice-President
3.	CEO/Coordinator, SCIE	Secretary

Powers and responsibilities of the Governing Body:

- To sanction the previous year annual progress report.
- To make proper arrangement of permanent funds and assets for the society.
- To appoint auditor for the coming financial year.
- To approve the statement of income and expenditure account and Balance Sheet of the centre running under the society.
- To approve the annual budget and expenditure statement of the centre.
- To consider any other subject which may be brought by the managing committee.

Rights and Responsibilities of the Managing Committee:

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- To make necessary arrangements for effective implementation and fulfilment of objects for which the centre has been created.
- To make necessary rules/ policy for the efficient internal management.
- To submit the duly audited statement of income and expenditure account and the Balance Sheet of the last year and the statement of annual progress report before the general body.
- To make payment and allowances to the employee in the centre working under the Society and to make the payment of taxes charged on the assets and immovable property of the Society.
- To appoint the necessary staff.
- To approve the memo of expenditure put by the Treasurer.
- To perform the necessary work as may be assigned by the general meeting from time to time.
- The proposal for the amendment in the byelaws of the Society, the special meeting shall be summoned for considering the discussion and for sanction, it shall be put up before the governing body for passing resolution of amendment. There should be $2/3^{rd}$ majority of general meeting to pass the resolution for amendments and it shall be sent to the Registrar for approval in prescribed form.

The TRC/TEC comprises domain experts from the Institute. The reviewers evaluate the Incubation/business proposal received and, award a scorecard with a recommendation that is submitted to SCIE for the consideration of Incubation. Evaluation of proposals is done on the following parameters:

- Novelty of the idea
- Value proposition addressing unmet need
- Clearly defined objectives and timelines
- Market Analysis
- Readiness of the product or service offered
- Scalability
- Financial Assistance Model
- Revenue generation strategy
- Team / Founders' Background

SCIE-TBI SG Staff

SCIE staff will take care of day-to-day operation of SCIE-TBI SG including managing incubation facility, office documentation, meeting milestones, raising funds, reporting to the competent authorities periodically about the progress made, and overall management of SCIE activities. The proposed SCIE-TBI SG staff is as follows:

Sr. No.	Designation	Head Counts
1.	Chief Executive Officer (CEO)	1
2.	Project Manager	1
3.	Project Office Executive	1
4.	Project Office Assistant	1
5.	Project Attendant (Semiskilled)	1

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➤ **Sustainability model of the proposed project**: -incubator will infuse incubatees and charge them for the rental space and a percentage of its revenue and equity (at least 3% from graduating startups on exit), corpus funds through funding agencies, CIF (common instrumentation facility) usage and alumni funding.

➤ **The revenue projections from various streams (Please see the table below) (☐ in lakhs)**

Sr. No.		Year 1	Year 2	Year 3	Year 4	Year 5	TOTAL
1.	Rental Income	3.60	5.76	7.20	9.36	10.80	36.72
2.	Revenue from Start-ups	-	-	5.00	8.00	12.00	25.00
3.	Equity	-	-	-	15.00	25.00	40.00
4.	Services	1.00	1.20	2.50	3.00	3.00	10.70
5.	Total	4.60	6.96	14.70	35.36	50.80	112.42

Estimated Rental income @ ☐ 40/sq.ft/month (x ~150 sq ft x No. of incubatees/year as mentioned in Deliverables). The final rates will be decided by the Governing Body / Managing Committee of TBI.

4. **Proposed duration of project: 5 years.**

5. **Total project cost:**

i. Applicant Contribution in terms of:

➤ Financial:
➤ Space:
➤ Any Other Services:

ii. Proposed BIRAC's Contribution:

6. **Details of proposal:**

i. **Aims & Objectives:**

1) **To create a dedicated incubation space services for tech and Life Sciences startup companies:** RDEC Ghaziabad goal is to establish a -incubator that will promote life sciences and tech entrepreneurs to nurture startup. First, we will generate space for these startup companies. An area of 6,000 square feet will be allocated for these -incubator. Next, a partition of space for inter- and multi-disciplinary researches will be generated. At RDEC Ghaziabad there is blend of multidisciplinary approaches while rigid exclusion of different science disciplines is being mitigated. The compartmentalized approaches are being swapped with translational approaches. The -incubator set up will facilitate the creation of entrepreneurship ambience among students and faculty in the campus.

2) **To strengthen up the overall startups ecosystem in the incubation centre**: SCIE

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has versatile high-quality mentors from different streams who will help the startups to grow. The -incubator will provide the appropriate mentor to the startups, or it will connect them to the expertise who can help to develop their product. The incubatees will get insights into the advanced technologies, and a platform to network with the expertise of their field. The mentors will assist the startups to get the ideas into shape before they execute it. They will give directions to transform an idea to a commercialized product.

3) **To streamline ease of doing experiments under one roof of Central Instrumentation Facility (CIF) at SCIE:** There is a big array of scientific equipment accessible to the startups to carry out the research and development for their products. The advanced instruments available in this facility will enable these tech and Life Sciences companies to perform large scale experiments in less time. A list of these instruments is attached with the proforma as Annexure 2. The R&D facility will be a venue to test new technologies before it reaches out commercially. The facility will be used to perform a pilot run to scale up the product. The startup companies can develop their ideas and technology using this facility.

4) **To accommodate 20-25 startups:** RDEC Ghaziabad will provide about 10,000 sq. ft. of space for the new -incubator. We estimate to accommodate around 20-25 startups in that area. Most of the current startups at SCIE is in its initial to middle phase and a new -incubator facility will strengthen the current incubator as well as the existing facilities, mentoring and networking will catalyze the growth and development of the new Life Sciences and tech startups.

5) **To render a platform for Academia-Industry network (Industry connect):** RDEC Ghaziabad and SCIE conducts numerous events to connect the academic research with the industry. These include workshops, webinars, and other events. It will enhance entrepreneur skills among faculties and students. It will further promote innovative ideas and translational research among the researchers and academicians. This will develop a tradition among the new generation where they will be motivated to be a job giver rather than the job seeker. This will ameliorate the unemployment problem and help in the development of the economy of the region.

6) **To promote IPR and technology transfer:** RDEC Ghaziabad recognizes the importance of Intellectual property protection for the magnification of the startups and consequently have established an IPR cell which functions under the Center for Science and Society (CS2). The paucity of suitable IPR facility will result in insufficient benefits of inventions for the innovators and will scathe the R&D activities by a company. This IPR cell will promote innovations and ensure that the startups reap complete profit for their creative efforts. A number of patents have been filed (List attached with the proforma as Annexure 4) and several are in process.

7) **To nucleate domestic and international collaborations for startups:** The goal of RDEC Ghaziabad and SCIE is to promote the national and international collaborations for tech and Life Sciences startups. The multidisciplinary research by

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the proficient faculty paves way for the collaborative projects. It further promotes innovation and unique approached to solve a problem. RDEC Ghaziabad has established collaborations with IIT Kanpur (which serves as the mentor institute for SCIE). The collaborations will focus mainly on promoting manufacturing, R&D, establishing advanced technology in our area, and green technology. It will enhance the GDP of the country and will play a pivotal role in development of the rural area.

8) **To help start-ups in seeking funding through investments:** The -incubator will provide a platform where mentoring will be provided to the startup to generate funding through investors. The new startups will get mentoring support where directions will be given on how to approach the investors, present ideas, and work in collaboration with them. A number of networking events like Industry connect will also be helpful in connecting startups with the investors.

9) **To help tech startups to move to the next level and taking successful exits:** The focus in the incubators will also be on scaling up the new tech and Life Sciences startups. It will be achieved by providing adept mentors, R&D, networking, and application of high throughput technologies. Once these companies establish a good business, the focus will be on helping these companies to move out from the incubators. This is very crucial in terms of their development as well as it will pave way for new companies to join the incubator.

ii. **Setting up Timeline of Activities for -Incubator**

Year	Activities	Deliverables
1st Year	➢ Setting up space for TBI SG, ➢ Setting up of network facilities, ➢ Purchase of Equipment and annual maintenance support, ➢ Purchase of common consumables, ➢ Industry connects, ➢ Hiring of staff, ➢ Organizing Seminars and Workshops ➢ Mentorship seminars by successful entrepreneurs	➢ 3 new incubatees in the incubation center ➢ 2 new training programs ➢ 4 conferences, seminars or workshops ➢ Mentorship seminars by successful entrepreneurs
2nd Year	➢ Marketing and Promotion, ➢ Building and partitioning of spaces for Multidisciplinary tech startups, ➢ Scaling up of present incubatees, ➢ Purchase of common consumables, ➢ Mentoring of New Incubatees, ➢ Organizing Seminars and Workshops, ➢ Industry connects ➢ Mentorship seminars by successful	➢ 4 new incubatees in the incubation center ➢ 4 new training programs ➢ 6 conferences, seminars or workshops ➢ 5 new technologies commercialized or patented ➢ Mentorship seminars by successful entrepreneurs

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	entrepreneurs	
3rd Year	➤ Marketing and Promotion, ➤ Building and partitioning of spaces for Multidisciplinary tech startups, ➤ Scaling up of present incubatees, ➤ Purchase of common consumables, ➤ Mentoring of New Incubatees, ➤ Organizing Seminars and Workshops, ➤ Industry connects ➤ Mentorship seminars by successful entrepreneurs	➤ 6 new incubatees in the incubation center ➤ 5 new training programs ➤ 6 conferences, seminars or workshops ➤ 6 new technologies commercialized or patented ➤ Mentorship seminars by successful entrepreneurs
4th Year	➤ Marketing and Promotion, ➤ Building and partitioning of spaces for Multidisciplinary tech startups, ➤ Scaling up of present incubatees, ➤ Purchase of common consumables, ➤ Mentoring of New Incubatees, ➤ Organizing Seminars and Workshops, ➤ Industry connects ➤ Mentorship seminars by successful entrepreneurs	➤ 6 new incubatees in the incubation center ➤ 5 new training programs ➤ 7 conferences, seminars or workshops ➤ 8 new technologies commercialized or patented ➤ Mentorship seminars by successful entrepreneurs
5th Year	➤ Marketing and Promotion, ➤ Mentoring of Multidisciplinary tech startups, ➤ Scaling up of present incubatees, ➤ Mentoring of previous incubatees and encourage them to graduate and move out, ➤ International collaborations setup, ➤ Organizing Seminars and Workshops, ➤ Purchase of common consumables, ➤ Mentorship seminars by successful entrepreneurs ➤ Industry connects	➤ 8 new incubatees in the incubation center ➤ 5 new training programs ➤ 8 conferences, seminars or workshops ➤ 10 new technologies commercialized or patented ➤ Mentorship seminars by successful entrepreneurs ➤ 5 companies graduated

iii. **Refurbishing/renovation and Recurring Cost:** (Certified cost of the refurbishing and renovation has to be provided)

➤ Total area dedicated for the facility

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- ➢ Distribution of the space for various activities and area under each
- ➢ Cost per sq. ft.

D. Budget break up format:

1. CONTRIBUTION by Agency

Year (in lakhs)	Year 1	Year 2	Year 3	Year 4	Year 5	Total
Electricity, Water, Internet, Telephone,consumables, etc.	1.00	1.25	2.50	3.00	4.00	**11.75**
Travel	2.50	2.50	2.00	2.00	1.00	**10.00**
Workshop *(networking & training, developmental activities, conferences, seminars, marketing & promotion)*	2.00	2.00	1.50	1.50	1.00	**8.00**
Contingency	1.00	1.00	1.00	1.00	1.00	**5.00**
Total	**6.50**	**6.75**	**7.00**	**7.50**	**7.00**	**34.75**

2. APPLICANT CONTRIBUTION

State of art communication network, servers, workstations, computers etc.				(in lakhs)
Sr. No.	List of equipment	Approximate price per unit (INR)	Required units	Total Amount
1.	Personal Computers (including laptops)	0.80	12	9.60
2.	Server workstations	3.00	3	9.00
3.	Printer, Photocopier & Scanner	0.50	4	2.00
4.	Camera	0.60	1	0.60
5.	Projector	0.30	1	0.30
6.	LED smart screens	0.70	2	1.40
7.	UPS	0.035	10	0.35
			Total	58.00

Furniture (LAB & INCUBATION)				(in lakhs)
Sr. No.	List of equipment	Approximate price per unit (INR)	Required units	Total Amount
1.	Executive Chair			
2.	Mid-back Chair			
3.	Officer Table			
4.	3-seating sofa			
5.	Workstation Table			
6.	Mechanical Storage			
7.	Food Court Table 2 seating			

8.	Food Court Table 4 seating			
9.	Food Court Chair			
10.	Reception set			
11.				
12.				
13.				
			Total	30.00

i. **Maintenance/Repair of Equipment/Chemicals**

						(in lakhs)
Year	Year 1	Year 2	Year 3	Year 4	Year 5	TOTAL
Maintenance/Repair of Equipment	3.00	5.00	3.00	4.00	5.00	20.00
Consumables & Chemicals	8.00	4.00	1.00	1.00	1.00	15.00
Total	11.00	9.00	4.00	5.00	6.00	35.00

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ii. **Administrative - Operational Exp- Electricity, Furniture, Travel, Consumables & Contingency**

Year (☐ in lakhs)	Year 1	Year 2	Year 3	Year 4	Year 5	Total
Electricity, Water, Internet, Telephone,consumables, etc.	1.00	1.25	2.50	3.00	4.00	**11.75**
Travel	2.50	2.50	2.00	2.00	1.00	**10.00**
Workshop (*networking & training, developmental activities, conferences, seminars, marketing & promotion*)	2.00	2.00	1.50	1.50	1.00	**8.00**
Contingency	1.00	1.00	1.00	1.00	1.00	**5.00**
Total	**6.50**	**6.75**	**7.00**	**7.50**	**7.00**	**34.75**

iii. **Manpower: provide the rational (☐ in lakhs)**

Manpower	No.	Monthly SalaryINR/ Employee	Year 1	Year 2	Year 3	Year 4	Year 5	Total
Chief Executive Officer (CEO) ##	1	☐ 80,000/-	9.60	10.56	11.62	12.78	14.06	**58.62**
Project Manager **	1	☐ 59,010/-	7.08	7.79	8.57	9.43	10.37	**43.24**
Project Office Executive **	1	☐ 36,530/-	4.38	4.82	5.30	5.83	6.42	**26.75**
Project Office Assistant **	1	☐ 25,290/-	3.03	3.34	3.67	4.04	4.44	**18.52**
Office Attendant (semi-skilled)	1	☐ 717/- per day	2.32	2.56	2.81	3.09	3.40	**14.18**
Total (Annually)			**26.41**	**29.07**	**31.97**	**35.17**	**38.69**	**161.31**

As per the pay structure mentioned in the DST sanction letter for establishing the SCIE-TBI.

**** As per the pay structure of outsourced professional staff mentioned in the manpower cell manual of the Host Institute (HI).**

Director
Engineering College
bai, Ghaziabad